

Applicants: Elena Feinstein and Orna Mor
Serial No.: 09/825,682
Filed: April 4, 2001
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Amendments to the Claims

Amendments to the claims will replace all prior versions, and listings, of claims in the application.

Listing of the Claims

1. (currently amended) A method of diagnosing bladder cancer in a subject which comprises the step of:

determining, in a sample from the subject, the level of expression of at least two ~~polypeptide-encoding~~ polynucleotides, wherein a higher level of expression of the polynucleotides compared to the level of expression of the polynucleotides in a subject free of bladder cancer is indicative of bladder cancer, and wherein the ~~polypeptide-encoding~~ polynucleotides are selected from the group consisting of :

- (a) the polynucleotides having ~~sequences represented by~~ SEQ ID NOS: 57, 56, and ~~one of 41 or 42, 45, 61, 48, 51, 47, 55, 58, 43, 44, 53, 49, 60, 59, 52, 46 and 50 ;~~
- (b) polynucleotides having sequences that differ from the polynucleotides in (a), without changing the polypeptides encoded thereby; and
- (c) polynucleotides which are at least 70% homologous to the polynucleotides of (a).

2. (currently amended) The method according to claim 1, wherein said determining step includes determining the level of expression of at least two ~~polypeptide-encoding~~ polynucleotides, wherein the ~~polypeptide-encoding~~

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polynucleotides are selected from the group consisting of the polynucleotides having ~~sequences represented by SEQ ID NOS: 57, 56, and one of 41 or 42, 45, 61, 48, 51, 47, 55, 58, 43, 44, 53, 49, 60, 59, 52, 46 and 50.~~

3. (cancelled)
4. (currently amended) The method according to claim 1, wherein the determining step includes using mRNA from an expressed gene to hybridize to at least two polynucleotides selected from the group consisting of the polynucleotides having ~~sequences represented by SEQ ID NOS: 57, 56, and one of 41 or 42, 45, 61, 48, 51, 47, 55, 58, 43, 44, 53, 49, 60, 59, 52, 46 and 50.~~
5. (currently amended) The method according to claim 1, wherein the ~~analysing~~ determining step includes ~~the~~ a step of using RT-PCR technology.
6. (currently amended) The method according to claim 1, wherein the ~~analysing~~ determining step ~~includes the step~~ consists essentially of using a specific antibody to detect the presence of a polypeptide encoded by said polynucleotide.
- 7.-23. (cancelled)
24. (previously amended) The method according to claim 1, wherein the bladder cancer is transitional cell carcinoma.
25. (cancelled)
26. (currently amended) The method of claim 1 wherein the level of expression of at least three ~~polypeptide-encoding~~ polynucleotides is determined.

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27. (currently amended) The method of claim 2 wherein the level of expression of at least three ~~polypeptide—encoding~~ polynucleotides is determined.

28-29. (cancelled)